

Anyway Technology Company

Standard Willem Universal Programmer

Bill of Material

Resistors

R1	10K
R2	10K
R3	100K
R4	2.2K
R5	10K
R6	2.2K
R7	2.2K
R8	1.2K
R9	2.2K
R10	2.2K
R11	15K
R12	4.7K
R13	10K
R15	2.2K
R16	220
R17	0.5
R18	20K
R19	2.2K
R20	56
R21	2.2K
R22	2.2K
R23	10K
R24	10K
R25	1.2K
R26	10K

Transistors

Q1	9014
Q2	9014
Q3	9015
Q4	9015
Q5	9014

Diodes

D4--D7	1N4007
D12	1N4007
D3	4148
D9	4148
D10	4148
D11	4148
D8	4148
D13	4148

Capacitors

C1	470UF/16V
C2	2200PF
C3	33UF/16V
C4	33UF/16V

C5 33UF/16V
C6 0.1u(104)
C7 0.1u(104)
C8 0.1u(104)
C9 0.1u(104)
C10 0.1u(104)

Resistor pack

BPACK SIP1 10K

Integrated Circuits

U1 CD4014
U2/U3 74HC367(4503)
U4/U5/U6 CD4015
U11 MC34063
U12 74HC04